

Title (en)

PRODUCTION OF PLASTIC TOUCH CONTROLS USING LASER-ETCHED CONDUCTIVE LAYERS

Title (de)

HERSTELLUNG VON KUNSTSTOFFBERÜHRUNGSKONTROLLELEMENTEN UNTER VERWENDUNG VON LASERGEÄTZTEN LEITFÄHIGEN SCHICHTEN

Title (fr)

PRODUCTION DE COMMANDES TACTILES EN PLASTIQUE AU MOYEN DE COUCHES CONDUCTRICES GRAVÉES AU LASER

Publication

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Application

EP 21723906 A 20210408

Priority

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- IB 2021052932 W 20210408

Abstract (en)

[origin: WO2021161295A1] A method for manufacturing touch controls (100) provided with surface symbols (105) backlit by light guide (109) is disclosed. Said touch controls (100) are used to detect the interaction between a finger (102) and the magnetic field (103) generated by conductive traces (104). In particular, a process is disclosed for making said conductive traces (104) and said light guide (109), so that they are free from dispersive phenomena and adapted to the typical aesthetic requirements for this type of products, namely an embossed surface finish or a smooth surface finish. The process comprises a combination between a layer of conductive coating (108) and a layer of insulating coating (107), said layers being applied to the inner surface, i.e., opposite the physical interaction area, of a transparent plastic support (101), said inner surface, generally the lower surface, being therefore in raw plastic material or already treated with decorative coatings.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2021161295A1

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